

## RAD-7 Developer

### Description

RAD-7 is a versatile one-part liquid concentrated developer. It is formulated to give optimum results with all conventional rapid access films and RC papers, including all rapid access camera, scanner and imagesetter films. It is designed for use in rapid access and conventional lithographic processors in non-lithographic applications. RAD-7 also works well in tray processing, non-replenishable table top processors and recirculating batch processing. RAD-7 is extremely stable and offers excellent shelf life and operating qualities for consistent process results.

### Features:

- Superior "lith effect"
- High D-Max
- Minimum pinholes
- Clear base D-Min
- Sharp black & white copy
- Excellent stability
- Clean process
- One-part liquid concentrate
- No separate replenisher required

### Directions for use:

For use as both a developer and replenisher, it is diluted 1:2 for camera films and up to 1:4 for most conventional rapid access products. RAD-7 Developer is a highly stable solution. Therefore, replenishment rates can be kept to a minimum.

### Replenishment rates (ml/m<sup>2</sup>)

Bulk of Workload	Area D-Max	Utilization		
		high	medium	low
Line Negatives	80%	215 ml	323 ml	431 ml
Halftones	50%	194 ml	215 ml	344 ml
Line Positives	20%	129 ml	161 ml	270 ml

### Note:

1. The above time/temperature and replenishment rates are standard starting specifications. Some emulsions and processors will require minor adjustments for optimum stability.
2. Tray Development: Capacity approximately 0.69 m /L. Discard when exhausted.

### Machine processing developer time/temperature typical processing parameters

Temp Time	40 Seconds	30 Seconds	20 Seconds	10 Seconds
Film	29°C/84F	32°C/90F	36°C/97F	41°C/106F
Paper	24°C/75F	27°C/81F	31°C/87F	36°C/96F

### Product specifications

Product	Cat number	Size
RAD-7 Dev	25DE2500	2x5L conc.
FRA Fixer	25Fx2550	2x5L conc.

# FRA Fixer

## Description

FRA Fixer is a rapid acting, clean working liquid concentrate fixer for machine or tray processing. It is suitable for use with all graphic arts films and papers. Dilution ratios from 1:3 to 1:7 in accordance with specific use.

## Features:

- Formulated for all brands of film and paper
- For use in blenders and mixers
- Variable dilution
- Rapid action
- Clean-working and sludge-free
- Highly-buffered
- Non-corrosive
- High capacity
- Cost efficient

## Directions for use:

Can be used as either replenisher or working tank solution. Please refer to the chart below

## Automatic processor dilution & replenishment

Film Type	FRA Fixer Dilution	Replenish, ml/m <sup>2</sup>	Avg.Capacity, liter
Lith	1:3	807-915	6.38m <sup>2</sup>
Image setter	1:3	463-754	2.95-6.14m <sup>2</sup>
All standard	1:3-1:7	495-732	1.38-1.84m <sup>2</sup>

## Tray processing

For manual fixing use the same dilutions as recommended above for fixer, and observe the capacity recommendation. Fixing times vary by materials as follows:

1 to 2 minutes Lith, RC, and all rapid access materials  
@ 18 - 29.4°C (agitate according to film requirements)

## Note:

The above time/temperature and replenishment rates are standard starting specifications. Some emulsions and processors will require minor adjustments for optimum stability.

## Dilution ratios

	5 liter concentrate dilutions					
Dilution	1:2	1:3	1:4	1:5	1:6	1:7
To Make	15L	20L	25L	30L	35L	40L